

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 663771251	FOR FURTHER ACTION See Form PCT/IPEA/416	
International application No. PCT/SE 2003/000484	International filing date (<i>day/month/year</i>) 24-03-2003	Priority date (<i>day/month/year</i>) 27-03-2002
International Patent Classification (IPC) or national classification and IPC G06F 3/033		
Applicant Touch & Turn AB et al		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 5 sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising:

- a. ☒ (sent to the applicant and to the International Bureau) a total of 4 sheets, as follows:
 - ☒ sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).
 - ☐ sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.

- b. ☐ (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items:

- | | | |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I | Basis of the report |
| <input type="checkbox"/> | Box No. II | Priority |
| <input type="checkbox"/> | Box No. III | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability |
| <input type="checkbox"/> | Box No. IV | Lack of unity of invention |
| <input checked="" type="checkbox"/> | Box No. V | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/> | Box No. VI | Certain documents cited |
| <input type="checkbox"/> | Box No. VII | Certain defects in the international application |
| <input type="checkbox"/> | Box No. VIII | Certain observations on the international application |

Date of submission of the demand 22-10-2003	Date of completion of this report 08-06-2004
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Box No. I Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on a translation from the original language into the following language _____, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the elements of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):
- ☐ the international application as originally filed/furnished
- ☒ the description:
- pages 1 - 7 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☒ the claims:
- pages _____ as originally filed/furnished
- pages* _____ as amended (together with any statement) under Article 19
- pages* 8 - 11 _____ received by this Authority on 27-04-2004
- pages* _____ received by this Authority on _____
- ☒ the drawings:
- pages 1 - 2 _____ as originally filed/furnished
- pages* _____ received by this Authority on _____
- pages* _____ received by this Authority on _____
- ☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/figs _____
- ☐ the sequence listing (*specify*): _____
- ☐ any table(s) related to the sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims	<u>1-14</u>	YES
	Claims		NO
Inventive step (IS)	Claims	<u>1-14</u>	YES
	Claims		NO
Industrial applicability (IA)	Claims	<u>1-14</u>	YES
	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: DATABASE WPI, Week 199926, Derwent Publications Ltd., London, GB; Class G06F3/14, AN 1999-313048 & WO9922314 A1 (Sharp kk), 25 September 1998 (1998-09-25)

D2: US5900876

D3: WO0219151

D4: US5764227

D5: EP0764898

D6: US5870092

Additional document cited in the Written Opinion Of The International Preliminary Examining Authority:

D7: US5463725

The object of the invention according to the applicant is to introduce an apparatus and method for displaying a digitised document in better quality than before and in real-time to an audience. This is done with a method and apparatus where the digitised document being printed media and the turning of the pages in the document is done in real-time by crossing a dividing line.

D1 outlines a display control device for turning pages of electronic books. The control device has a CPU which controls the whole device, an image data storage unit in which the contents of the book are stored as image data, an image data controller which receives the image data and performs the required control, a display preparation image data memory unit in which image data of the page being displayed and the page

.../...

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

to be displayed next are stored, and a display unit on which information concerning the image data and information concerning the operation of the electronic book are displayed.

D2 outlines an information processing apparatus and a method with display book page turning. According to the present invention, when an icon displayed in the form of a book in open state is designated with a mouse, the designated position is judged, and, if it is on the right-side page, the image of the designated page is displayed in compressed state to the designated point, and an underlying page is displayed. Then the designated page is turned over and the images of the succeeding two pages are displayed. When the left-side page is designated, the preceding two pages are displayed through a similar process.

D3-D6 is cited in the International Search Report as document defining the general state of art which is not considered to be of particular relevance and is therefore not further described.

D7 outlines an intuitive graphical display and input interface method for an electronic book. This involves detecting movement of specified position on displayed page of document in first direction and displaying animated sequence of images corresponding to turning page of document in a first direction. The method involves displaying an image of a multiple page document on a display device. A position on a displayed page of the document is specified with an input device. Movement of the specified position in a first direction is detected. In response to the movement, an animated sequence of images corresponding to turning a page of the document in the first direction is displayed. After the movement is detected, a termination of the specifying position by the input device is detected. In response to the termination an animated sequence of images to complete the turning of the page is displayed. This system provides interface for displaying information which is usable in an intuitive manner by acknowledgeable user. It is as similar as possible to use of actual paper reading materials (see the whole document but especially Column 6, line 56 - Column 7, line 9 and claims 1-8.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: BOX V

The cited documents represent the general state of the art.
The invention defined in claims 1-14 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed apparatus and method for displaying a digitised document to an audience. Where the digitised document for visualisation being printed media and the turning of pages in the document is done in real-time upon indications by a user and where the indications is governed by substantially in lateral direction crossing of a dividing line with an indicating element.

Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-14 is novel and is considered to involve an inventive step. The invention is industrially applicable.